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1 **A generic approach for interfacing VRML browsers to various input devices and creating customizable 3D applications**   ☐
Frank Althoff, Herbert Stocker, Gregor McGlaun, Manfred K. Lang
February 2002 **Proceeding of the seventh international conference on 3D Web technology Web3D '02**
Publisher: ACM Press

Full text available: 🔲 pdf(266.82 KB)   Additional Information: full citation, abstract, references, citings, index terms

In this work we present a generic architecture for interfacing various input devices to VRML browsers. Concentrating on the aspect of navigation, our system supports the full range of potential input devices from conventional haptic devices like keyboard and mouse over special Virtual-Reality devices like spacemouse and joystick to, as a special feature, semantically higher level input like speech and gesture recognition. The communication between the individual components of the system is based ...

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1 The Integrated Dictionary/Directory System   ☐
Frank W. Allen, Mary E. S. Loomis, Michael V. Mannino
June 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 2
Publisher: ACM Press
Full text available: 📄 pdf(2.71 MB)   Additional Information: full citation, references, citings, index terms

2 The Ada compiler evaluation system   ☐
Phil Brashear
March 1994 **ACM SIGAda Ada Letters**, Volume XIV Issue 2
Publisher: ACM Press
Full text available: 📄 pdf(689.89 KB)   Additional Information: full citation, index terms

3 Distributed systems - programming and management: On remote procedure call   ☐
Patrícia Gomes Soares
November 1992 **Proceedings of the 1992 conference of the Centre for Advanced Studies on Collaborative research - Volume 2 CASCON '92**
Publisher: IBM Press
Full text available: 📄 pdf(4.52 MB)   Additional Information: full citation, abstract, references, citings

The Remote Procedure Call (RPC) paradigm is reviewed. The concept is described, along with the backbone structure of the mechanisms that support it. An overview of works in supporting these mechanisms is discussed. Extensions to the paradigm that have been proposed to enlarge its suitability, are studied. The main contributions of this paper are a standard view and classification of RPC mechanisms according to different perspectives, and a snapshot of the paradigm in use today and of goals for t ...

4 A generic approach for interfacing VRML browsers to various input devices and creating customizable 3D applications   ☐
Frank Althoff, Herbert Stocker, Gregor McGlaun, Manfred K. Lang
February 2002 **Proceeding of the seventh international conference on 3D Web technology Web3D '02**
Publisher: ACM Press

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5 <u>Industrial Evaluation of a Log File Analysis Methodology</u>

Donald J. Yantzi, James H. Andrews
May 2007 **Proceedings of the 5th International Workshop on Dynamic Analysis WODA '07**
Publisher: IEEE Computer Society
Full text available: 📄 pdf(123.88 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>

Test result evaluation programs often take the form of log file analyzers, which analyze text logs of events that have happened during testing. Previously, we proposed a methodology for deriving logging instrumentation and state-based log file analyzer programs from requirements. In this paper, we report on an industrial evaluation in which the methodology was carried out on two pieces of commercial software in a commercial setting. We report on our quantitative and qualitative observations and ...

6 <u>Log files: an extended file service exploiting write-once storage</u>

R. Finlayson, D. Cheriton
November 1987 **ACM SIGOPS Operating Systems Review , Proceedings of the eleventh ACM Symposium on Operating systems principles SOSP '87**, Volume 21 Issue 5
Publisher: ACM Press

Full text available: 📄 pdf(1.07 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

A log service provides efficient storage and retrieval of data that is written sequentially (append-only) and not subsequently modified. Application programs and subsystems use log services for recovery, to record security audit trails, and for performance monitoring. Ideally, a log service should accommodate very large, long-lived logs, and provide efficient retrieval and low space overhead.In this paper, we describe the design and implementation of the Clio log service. Clio pr ...

7 <u>WAT: a tool for classifying learning activities from a log file</u>

Jason Ceddia, Judy Sheard, Grant Tibbey
January 2007 **Proceedings of the ninth Australasian conference on Computing education - Volume 60 ACE '07**
Publisher: Australian Computer Society, Inc.
Full text available: 📄 pdf(583.85 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

Web-based learning environments are now extensively used as integral components of course delivery in tertiary education. To provide an effective learning environment, it is important that educators understand how these environments are used by their students. This paper describes an approach to analysing website interactions data captured on log files that goes beyond simply tabulating frequencies of navigation path traversals through a website. A Weblog Analysis Tool (WAT) has been built to ...

Keywords: log file analysis, online learning, web-based learning environments

8 <u>A data-driven model for a subset of logic programming</u>

Lubomir Bic, Craig Lee
October 1987 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,
Volume 9 Issue 4
Publisher: ACM Press

Full text available: pdf(2.24 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>, <u>review</u>

There is a direct correspondence between semantic networks and a subset of logic programs, restricted only to binary predicates. The advantage of the latter is that it can describe not only the nodes and arcs comprising a semantic net, but also the data-retrieval operations applied to such nets. The main objective of this paper is to present a data-driven model of computation that permits this subset of logic programs to be executed on a highly parallel computer architecture. We demonstrate ...

9   **A log file design for analyzing secondary storage occupancy**
H. Pat Artis
September 1981 **ACM SIGMETRICS Performance Evaluation Review, Proceedings of the 1981 ACM SIGMETRICS conference on Measurement and modeling of computer systems SIGMETRICS '81**, Volume 10 Issue 3
Publisher: ACM Press

Full text available: pdf(491.98 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>index terms</u>

A description of the design and implementation of a log file for analyzing the occupancy of secondary storage on IBM computer systems is discussed. Typical applications of the data contained in the log are also discussed.

10   **OS implementation strategies: Flight data recorder: monitoring persistent-state interactions to improve systems management**
Chad Verbowski, Emre Kiciman, Arunvijay Kumar, Brad Daniels, Shan Lu, Juhan Lee, Yi-Min Wang, Roussi Roussev
November 2006 **Proceedings of the 7th symposium on Operating systems design and implementation OSDI '06**
Publisher: USENIX Association

Full text available: pdf(457.56 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

Mismanagement of the persistent state of a system---all the executable files, configuration settings and other data that govern how a system functions---causes reliability problems, security vulnerabilities, and drives up operation costs. Recent research traces persistent state interactions---how state is read, modified, etc.---to help troubleshooting, change management and malware mitigation, but has been limited by the difficulty of collecting, storing, and analyzing the 10s to 100s of mill ...

11   **Using log files to track students' model-based inquiry**
Barbara C. Buckley, Janice D. Gobert, Paul Horwitz
June 2006 **Proceedings of the 7th international conference on Learning sciences ICLS '06**
Publisher: International Society of the Learning Sciences

Full text available: pdf(321.02 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>

We report on the Modeling Across the Curriculum Project (mac.concord.org), a 5-year study funded by the IERI program (IERI # 0115699). In this project we are using qualitative model-based tools for inquiry in three science domains (Genetics, Gas Laws, & Newtonian Mechanics) to promote scientific literacy on a broad scale, namely, content knowledge, process skills, and epistemologies of science (Perkins, 1986). The process skills we focus on in this project are model-based inquiry skills; epistem ...

12

Remote logging in Java using Jeli: a facility to enhance development of accessible

educational software
Steven Robbins
March 2000 **ACM SIGCSE Bulletin , Proceedings of the thirty-first SIGCSE technical symposium on Computer science education SIGCSE '00**, Volume 32 Issue 1
Publisher: ACM Press

Full text available: pdf(1.39 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

The combination of Java and the World Wide Web has opened up new opportunities for teaching at all levels. It is now possible to assume that all students in a class have access to the web through a browser that supports the Java language and a standard subset of the GUI API. One of the drawbacks of using Java through a browser is the lack of a standardized safe way for a Java applet to access resources on the local machine. Security measures prevent the applet from storing information gener ...

13 The state of the art in automating usability evaluation of user interfaces
Melody Y. Ivory, Marti A Hearst
December 2001 **ACM Computing Surveys (CSUR)**, Volume 33 Issue 4
Publisher: ACM Press

Full text available: pdf(2.31 MB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>, <u>review</u>

Usability evaluation is an increasingly important part of the user interface design process. However, usability evaluation can be expensive in terms of time and human resources, and automation is therefore a promising way to augment existing approaches. This article presents an extensive survey of usability evaluation methods, organized according to a new taxonomy that emphasizes the role of automation. The survey analyzes existing techniques, identifies which aspects of usability evaluation aut ...

Keywords: Graphical user interfaces, taxonomy, usability evaluation automation, web interfaces

14 An interactive software system for computer-aided design: an application to circuit project
Giampio Bracchi, Marco Somalvico
September 1970 **Communications of the ACM**, Volume 13 Issue 9
Publisher: ACM Press
Full text available: pdf(1.57 MB)   Additional Information: <u>full citation</u>, <u>references</u>, <u>citings</u>

Keywords: circuit design, computer graphics, computer-aided design, extended Fortran, graphics, interaction, language, monitor language, software organization, software system

15 Broad-spectrum studies of log file analysis
James H. Andrews, Yingjun Zhang
June 2000 **Proceedings of the 22nd international conference on Software engineering ICSE '00**
Publisher: ACM Press

Full text available: pdf(220.81 KB)   Additional Information: <u>full citation</u>, <u>abstract</u>, <u>references</u>, <u>citings</u>, <u>index terms</u>

This paper reports on research into applying the technique of log file analysis for checking test results to a broad range of testing and other tasks. The studies undertaken included

applying log file analysis to both unit- and system-level testing and to requirements of both safety-critical and non-critical systems, and the use of log file analysis in combination with other testing methods. The paper also reports on the technique of using log file analyzers to simulate the software under t ...

Keywords: lightweight formal methods, safety verification, specification, test oracles, testing

16 Bandwidth and traffic estimation techniques: A methodology for estimating interdomain web traffic demand

Anja Feldmann, Nils Kammenhuber, Olaf Maennel, Bruce Maggs, Roberto De Prisco, Ravi Sundaram

October 2004 **Proceedings of the 4th ACM SIGCOMM conference on Internet measurement IMC '04**

Publisher: ACM Press

Full text available: pdf(1.08 MB)   Additional Information: full citation, abstract, references, citings, index terms

This paper introduces a methodology for estimating interdomain Web traffic lows between all clients worldwide and the ervers belonging to over one housand content providers. The idea is to use the server logs from a large ontent Delivery Network (CDN) to identify client downloads of content provider (i.e., publisher) Web pages. For each of these Web pages, a client typically downloads some objects from the content provider, some from the CDN, and perhaps some from third parties such as banner ...

Keywords: analysis, estimation, interdomain, traffic demand, traffic matrix, web

17 Economics of test automation: test cost and effectiveness: Advanced unit testing: how to scale up a unit test framework

Cyrille Artho, Armin Biere

May 2006 **Proceedings of the 2006 international workshop on Automation of software test AST '06**

Publisher: ACM Press

Full text available: pdf(200.19 KB)   Additional Information: full citation, abstract, references, index terms

Unit testing is a scalable and effective way to uncover software faults. In the JNuke project, automated regression tests combined with coverage measurement ensured high code quality throughout the project. By using a custom testing environment, functionality was extended beyond what is commonly available by unit test frameworks. Low-overhead memory leak detection was implemented through wrapping. Automated support for log files made it possible to track the internal state of objects, which is o ...

Keywords: system testing, test framework, unit testing

18 Real world applications: Evolving computer intrusion scripts for vulnerability assessment and log analysis

Julien Budynek, Eric Bonabeau, Ben Shargel

June 2005 **Proceedings of the 2005 conference on Genetic and evolutionary computation GECCO '05**

Publisher: ACM Press

Full text available: pdf(456.56 KB)   Additional Information: full citation, abstract, references, citings, index terms

Evolutionary computation is used to construct undetectable computer attack scripts. Using

a simulated operating system, we show that scripts can be evolved to cover their tracks and become difficult to detect from log file analysis.

Keywords: agent-based model, hacker, log analysis, script kiddies, vulnerability assessment

19 Draft Proposed: American National Standard—Graphical Kernel System

Technical Committee X3H3 - Computer Graphics
February 1984 **ACM SIGGRAPH Computer Graphics**, Volume 18 Issue SI

Publisher: ACM Press
Full text available: pdf(16.07 MB)   Additional Information: full citation

20 Debugging heterogeneous applications with Pangaea

Leesa Hicks, Francine Berman
January 1996 **Proceedings of the SIGMETRICS symposium on Parallel and distributed tools SPDT '96**
Publisher: ACM Press
Full text available: pdf(1.41 MB)   Additional Information: full citation, references, citings, index terms

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